

第 43 回

日本免疫学会学術集会 テクニカルセミナーT3

The 43rd Annual Meeting of The Japanese Society for Immunology

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This seminar is performed in Japanese.

演題

Recognition of adjuvant and immune responses

アジュバントの認識と免疫応答

演者

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日時

2014年12月11日(木) 13:00-14:00
December 11, 2014

会場

Room F (京都国際会館 Room B-2 2F)

要旨

C-type lectin receptors (CLRs) comprise a large family of proteins that share a common structural motif and are involved in various immune responses. Among them, we found that several ITAM-coupled CLRs are pattern recognition receptors (PRRs) for pathogens, such as fungi and bacteria. From these pathogens, characteristic glycolipids, glycoproteins and lipoglycans were identified as ligands for these CLRs, all of which possessed adjuvant activities. These findings shed light on CLRs as emerging immune receptor family for wide spectrum of pathogens, and thus CLRs could be potential targets for the development of novel adjuvant. In this seminar, the recent progress and perspective on the function of CLRs will be discussed.

(出典: 2014日本免疫学会総会・学術集会記録第43巻)

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